

Technical Data Sheet

Moplen HP516J



Polypropylene, Homopolymer

Product Description

LyondellBasell Australia's Polypropylene grade *Moplen* HP516J is a medium flow homopolymer with a conventional molecular weight distribution and is specially designed for metallised film applications. *Moplen* HP516J is designed for the production of biaxially oriented polypropylene (BOPP) metallised films for high quality packaging and laminates. *Moplen* HP516J gives reliable and consistent processing on BOPP tenter lines, providing films with a good balance of properties.

Regulatory Status

For regulatory compliance information, see *Moplen* HP516J [Product Stewardship Bulletin \(PSB\) and Safety Data Sheet \(SDS\)](#).

Status	Commercial: Active
Availability	Asia-Pacific; Australia and New Zealand
Application	Food Packaging Film; Lamination Film
Market	Flexible Packaging
Processing Method	BOPP
Attribute	Homopolymer; Medium Flow

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate, (230 °C/2.16 kg)	3.0	g/10 min	ISO 1133-1
Density, (23 °C, Method D)	0.90	g/cm ³	ISO 1183-1
Mechanical			
Flexural Modulus	1500	MPa	ISO 178
Tensile Stress at Yield	33	MPa	ISO 527-1, -2
Impact			
Notched Izod Impact Strength, (23 °C)	5	kJ/m ²	ISO 180/1A
Hardness			
Shore Hardness, (Shore D)	75		ISO 868
Thermal			
Vicat Softening Temperature	155	°C	ISO 306
Heat Deflection Temperature B, (0.45 MPa, Unannealed)	90	°C	ISO 75B-1, -2

Notes

These are typical property values not to be construed as specification limits.